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SYNTHESIS AND PHARMACOLOGICAL STUDY OF NOVEL BENZOTRIAZOLES CONTAINING AMIDES

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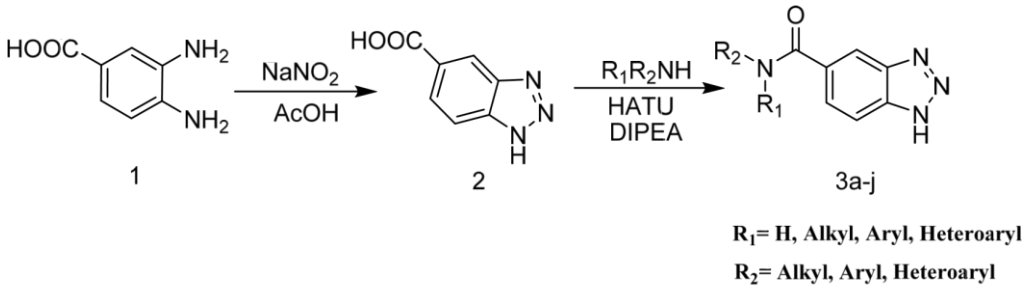
Abstract. A series of novel benzotriazoles containing urea has been efficiently synthesized (Scheme 1) and evaluated for their antibacterial and antioxidant activities[1]. Some of the molecules exhibited promising antibacterial activity when compared to the reference standard, Ciprofloxacin. The antioxidant activity of the synthesized compounds was found to be moderate when compared to the standard Butylated Hydroxy Toluene (BHT).



Scheme 1: Synthesis of benzotriazole derivatives containing amide

References

1. Kumar, S., Mukesh, K., Harjai,K., Singh, V.(2019).Synthesis of coumarin based Knoevenagel-Ugi adducts by a sequential one pot fivecomponent reaction and their biological evaluation as anti-bacterial agents.*Tetrahedron Letters,*Vol. 60, Iss. 1, pp. 8–12.